

Comparative table of rainfall for each geographical division.

Divisions.	Relative area.	Number of available averages.	Rainfall.	
			Average for May.	Current for May, 1901.
Northeastern division.....	25	18	12.58	5.46
Northern and sub-central division.....	22	50	7.57	5.00
Western-central division.....	26	27	14.02	10.06
Southern division.....	27	35	8.66	4.01
General means.....	.....	.....	10.71	6.13

Evidently the rainfall for May, like that for April, was seriously deficient.

In taking the average rainfall Mr. Hall uses only those stations for which he has several years of observation, so that the column of averages represents fairly well the normal rainfall for each division, while the column for the current month represents the average rainfall at those same stations. The relative areas of the division is very nearly the same and is given in the following table as expressed in percentages of the total area of Jamaica. The number of rainfall stations utilized in each area varies slightly from month to month, according as returns have come in promptly or not, but will not differ greatly from the numbers in the second column of the table.

#### RECENT PAPERS BEARING ON METEOROLOGY.

W. F. R. PHILLIPS, in charge of Library, etc.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau:

- Terrestrial Magnetism and Atmospheric Electricity.* Baltimore. Vol. 6.  
Exner, Franz. Summary of the results of Recent Investigations in Atmospheric Electricity. (Concluded.) P. 1.
- Science.* New York. N. S. Vol. 13.  
— Syntonic Wireless Telegraphy. P. 874.
- American Journal of Science.* New Haven. Vol. 11.  
Langley, S. P. The New Spectrum. P. 403.
- Annales de Géographie.* Paris. 10me année.  
Voeikov, A. De l'influence de l'homme sur la terre. (Second article.) P. 193.
- Ciel et Terre.* Bruxelles. 22me année.  
Bieler, S. Influence du climat sur le développement des races bovines. Pp. 165-173.
- Wolfer, A. Les centres principaux de l'activité solaire. P. 133.  
L., v. D. À propos du tir contre la grêle. P. 140.
- Scientific American.* New York. Vol. 84.  
— Wireless Telegraphy for the Prevention of Shipping Disasters. P. 355.  
— A new Flying Machine. P. 357.
- Scientific American Supplement.* New York. Vol. 51.  
Marconi, G. Syntonic Wireless Telegraphy. Pp. 21269 and 21291-21293.

*Deutsche Mechaniker Zeitung.* Berlin. 1901.

Wiebe, H. F. Bericht über die Thermometer und Barometer auf der Pariser Weltausstellung. P. 81.

Baumann, Th. Versuch, die Höhe der Atmosphäre auf geometrischem Wege zu finden. P. 96.

*Zeitschrift für Instrumentenkunde.* Berlin. Vol. 21.

Hecker, O. Untersuchung der Konstanz von Siedethermometern aus dem Glasse. Vol. 59. III. P. 133.

*Nature.* London. Vol. 64.

— Climate and Time and Mars. Pp. 106-107.

Lockyer, Wm. J. S. A long Period Sunspot Variation. Pp. 196-197.

Shaw, W. N. Hailstorm Artillery. Pp. 159-161.

*Philosophical Magazine.* London. Vol. 1. 6th Series.

Townsend, J. S. Conductivity produced in Hydrogen and Carbonic Acid Gas by the Motion of Negatively Charged Ions. Pp. 630-642.

*Annuaire, Société Météorologique de France.* Tours. 49me année.

Decheverens, M. Sur la cause des variations accidentnelles de la température de l'air. Pp. 103-105.

*Comptes Rendus.* Paris. Tome 132.

Baume-Pluvine, A. dela. Sur le spectre de la couronne solaire photographié à Elche (Espagne) pendant l'éclipse totale de Soleil du 28 mai 1900. Pp. 1259-1264.

Marey, —. Changements de direction et de vitesse d'un courant d'air qui rencontre des corps de formes diverses. Pp. 1291-1296.

Gonnessait, F. Six mois d'observations météorologiques à Quito. P. 1444.

*Engineering News.* New York. Vol. 45.

Brown, L. W. Protection of Cities in the Mississippi Valley against Encroachments of Rivers. Pp. 427-429.

*La Nature.* Paris. 29me année.

Jullien, O. Près du Mont-blanc; le climat de Bonneville et des environs. Pp. 26-27.

*L'Aérophile.* Paris. 9me Année.

Farman, M. 3,000 kilomètres en ballon. Pp. 109-119.

*Himmel und Erde.* Berlin. 13 Jahrg.

Boernstein, R. Das Wetterschiesen. Pp. 402-408.

Jachmann, —. Die Taifune in den ostasiatischen Gewässern. Pp. 419-424.

*Popular Science Monthly.* New York. Vol. 69.

Willis, Bailey. Climate and Carbonic Acid. Pp. 242-256.

*Symon's Meteorological Magazine.* London. Vol. 36.

— International Investigation of the Sea and Air. Pp. 74-76.

— Proposed Observations on Dew-Ponds. Pp. 76-77.

Mohn, H. The Norwegian Rainfall Service. Pp. 80-81.

*Gaea.* Leipzig. 37 Jahrg.

— Die neueren Anschauungen über die Ursachen der Luftelektrizität. (Schluss). Pp. 406-410.

— Über Kugelblitze. Pp. 410-417.

— Über Polar-Forschungen. Pp. 417-420.

— Die internationale Ballonfahrt am 19 April, 1901. Pp. 432-433.

*Meteorologische Zeitschrift.* Band 18. Wien.

Kremser, V. Neunte Allgemeine Versammlung der Deutschen Meteorologischen Gesellschaft zu Stuttgart am 1-3 April, 1901. Pp. 193-211.

Hann, J. Einige Ergebnisse der Temperaturbeobachtungen auf dem Strassburger Münsterthurm. Pp. 211-216.

Heintz, E. Ueber Niederschlagschwankungen in den Flussgebieten der Wolga, des Dnieper und des Don während der Periode 1861-1898. Pp. 216-223.

Maurer, J. Frank Very's Experimentaluntersuchung über die atmosphärische Strahlung. Pp. 223-230.

Prohaska, K. Rother Schnee, Schlammbreng und Gewitter am 11 März 1901 in den österreichischen Alpenprovinzen. Pp. 231-234.

— Staubfall in der Schweiz und Ober-Italien. P. 234.

Czermak, P. und Jesser. Staubfall in Tirol. P. 234.

— Staubfall vom 6-7 März, 1893. P. 236.

— Der letzte Blutregen. P. 236.

— Der Blutregen in Sicilien. P. 237.

Hapke, L. Wüstenstaub in Bremen. P. 237.

— Der Staubfall in Tunis. P. 238.

— Berichtigung. P. 238.

#### NOTES BY THE EDITOR.

##### THE EFFECT OF THE MOON ON VEGETATION.

In a letter received some time since from the editor of the *Rural New Yorker*, Mr. H. W. Collingwood, he states that there has been quite a discussion lately as to whether there

are any accurate experiments regarding the influence of the moon upon vegetation. He desires to know of any records of experiments on this point, and also any relative to the effect of the changes of the moon on the weather. "So many farmers insist that the moon changes their crops in one way